

U.S.S.N. 09/811,075

Filed: March 16, 2001

## AMENDMENT AND RESPONSE TO OFFICE ACTION

## In the Claims

1. (Currently amended) A method of making an ~~array~~ array of selected anti-ligands comprising:

- (i) providing a library of anti-ligand molecules displayed for binding with a ligand on the surface of a replicable unit;
- (ii) providing a mixture of ligands;
- (iii) exposing ~~the~~ the library to the mixture whereby ligand/anti-ligand binding can take place; wherein the ligands in the mixture are separated on the basis of structural characteristics selected from the group consisting of size, electrical charge and isoelectric point, before it is exposed to the library; and

(iv) washing away the ligands which do not bind to anti-ligands;

(iv) (v) eluting, isolating and amplifying the ~~number~~ of anti-ligands which bind ligands; and

(v) (vi) applying a preparation of the same the anti-ligands, or a plurality of different anti-ligands, to a separate region of to a substrate region to form an array of separate anti-ligand containing containing regions on a solid support.

2. (Currently Twice amended) ~~A~~ The method as claimed in Claim 1, wherein the ligands in the mixture are immobilized.

Please cancel claim 3.

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4. (Currently Twice amended) ~~A~~ The method as claimed in Claim ~~3~~ 1, wherein the mixture of ligands is separated on a two-dimensional gel using two-dimensional gel electrophoresis.

5. (Currently Twice amended) ~~A~~ The method as claimed in ~~Claims~~ Claim 4 wherein the ligands in the separated mixture are immobilized on a support surface.

6. (Currently Twice amended) ~~A~~ The method as claimed in Claim 5, wherein the support surface is a nitrocellulose or polyvinylidene difluoride (PVDF) membrane.

7. (Currently Twice amended) ~~A~~ The method as claimed in Claim 5 wherein the support surface is a replica of the two dimensional gel and is used directly in step (iii) of the method of Claim 1.

8. (Currently Twice amended) ~~A~~ The method as claimed in Claim 1, wherein the anti-ligand comprises a protein or polypeptide.

9. (Currently Twice amended) ~~A~~ The method as claimed in Claim 8 wherein the anti-ligand is an antibody or an antigen binding variant or derivative thereof.

Please cancel claim 10.

11. (Currently Twice amended) ~~A~~ The method as claimed in claim 1 wherein the identity of at least some of the ligands and/or anti-ligands is unknown.

12. (Currently Twice amended) ~~A~~ The method as claimed in Claim 11 wherein the identity of ~~substantially~~ all of the ligands and/or anti-ligands is unknown.

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13. (Currently Twice amended) A The method as claimed in claim 1 wherein 10 to 50 different anti-ligands are applied per region of the array.

Please cancel claims 27-37.

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